WHAT IS CLAIMED IS:

543	activity	y;	A cochlear implant system, comprising: A cochlear implant system, comprising: Led Geral Law (1) 10 10 10 10 10 10 10
		c	1 1
<u> </u>	signal	trom t	the signal processor.
	electro		The system according to claim 1, wherein the stimulation unit is an any unit that is coupled to an auditory nerve. CID; In 25-27
	17/	3.	The system according to claim 2, wherein the first signal is applied to a first
mac	ţ		ctrodes, in the electrode array and the second signal is applied to a second
	subset	of elec	ctrodes in the electrode array _A CX
Sy3		4.	The system according to claim 1, wherein the second signal is a high rate
	1	. /	(: 11 1 M 24-3)
	pulse t	raın/	

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6. The system according to claim 1, wherein the second signal includes rapid state transitions and a frequency greater than approximately 3 kilohertz, $\frac{CII}{INO}$ 9-I2

7. The system according to claim 1, wherein the signal processor determines the combined signal by summing the first and second signals see 1910 with the signal by summing the first and second signals see 1910 with the signal processor determines the combined signal by summing the first and second signals see 1910 with the signal processor determines the combined signal by summing the first and second signals see 1910 with the signal processor determines the combined signal by summing the first and second signals see 1910 with the signal processor determines the combined signal by summing the first and second signals see 1910 with the signal processor determines and second signals see 1910 with the signal second signal second signal second seco

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8. The system according to claim 1, further comprising a microphone that generates the first signal, wherein the microphone is coupled to the signal processor.

9. The system according to claim 1, wherein the signal processor further comprises a combining circuit that logically processes the first and second signals, wherein the combining circuit ANDs the first and second signals.

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10. The system according to claim 1, wherein a microphone, the signal processor and the signal generator are positioned external to an ear, wherein the stimulation unit is coupled by a wire to the signal processor, and wherein the stimulation unit is coupled to an auditory nerve via a cochlea.

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11. A method for generating a driving signal for an auditory implant,

comprising

receiving a first signal;

generating a second signal that causes pseudospontaneous activity in an

auditory nerve; and

combining the first and second signals to generate the driving signal.

12. The method of claim 11, further comprising applying the combined signal to the auditory nervo and the first signal is received from a signal processor.

13. The method according to claim 11, wherein the first signal represents at least one of speech, emergency signals and control information, and wherein the second signal is a constant amplitude high rate pulse train with a frequency above 3 kilohertz4

the steps of receiving through applying.

15. The method according to claim 11, wherein the combining step performs at least one of summing and multiplying the first and second signals.

16. An auditory prosthesis for receiving an auditory signal representing sound and supplying an electrical signal which is adapted to stimulate the auditory nerve of a person, comprising:

pseudospontaneous generation means for generating a pseudospontaneous driving signal;

transducer means adapted to receive the auditory signal and the pseudospontaneous driving signal for transforming the auditory signal and the pseudospontaneous driving signal to an electrical input signals; and

stimulation means, operatively coupled to the electrical input signals generated by the transducer means, for stimulating the auditory nerve at defined locations within the cochlea.

- 17. The auditory prosthesis of claim 16, wherein the transducer means further performs at least one summing of the auditory signal and the pseudospontaneous driving signal and multiplying the auditory signal and the pseudospontaneous driving signal.
- 18. The auditory prosthesis of claim 16, wherein the pseudospontaneous driving signal is a high rate pulse train. (1) \\(\cap_4-3\)\

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